

CONTENTS OF VOLUME 160

No. 1, MARCH 1968

Studies on the Mechanism of the Hypertensive Effect of Prostaglandin $F_{2\alpha}$. D. W. DUCHARME, J. R. WEEKS AND R. G. MONTGOMERY.....	1
Venoconstrictive Action of Bradykinin. RICHARD P. BOBBIN AND PAUL S. GUTH....	11
Antiarrhythmic Activity of Some Isoquinoline Derivatives Determined by a Rapid Screening Procedure in the Mouse. JAMES W. LAWSON.....	22
The Effects of Reserpine on Vasopressin-Cholesterol-Induced Atheromatous Lesions. PEGGY J. WHITTINGTON-COLEMAN, OLIVER CARRIER, JR. AND BEN R. CLOWER..	32
Application of Steady-State Kinetics to the Study of Catecholamine Turnover after Monoamine Oxidase Inhibition or Reserpine Administration. N. H. NEFF AND E. COSTA.....	40
Application of Steady-State Kinetics to the Uptake and Decline of H^3 -NE in the Rat Heart. N. H. NEFF, T. N. TOZER, W. HAMMER, E. COSTA AND B. B. BRODIE....	48
Restoration of Cardiac Responsiveness to Tyramine after Reserpine. ROBERT A. MUELLER AND F. E. SHIDEMAN.....	53
The Effect of Nerve Stimulation on the Synthesis and Metabolism of Norepinephrine in the Isolated Guinea-Pig Hypogastric Nerve-Vas Deferens Preparation. NORMAN WEINER AND MIRJANA RABADJIJA.....	61
The Presence of Antagonistically Acting <i>Alpha</i> and <i>Beta</i> Adrenergic Receptors in the Mouse Spleen. LOUIS J. IGNARRO AND ELWOOD TITUS.....	72
Autoradiographic Localization of Acetylcholine on the Ampullate Gland of the Spider. DAVID B. PEAKALL.....	81
The Rate of Action of Atropine. C. D. THRON AND D. R. WAUD.....	91
Effect of Chlorpromazine, Dibenzamine and Phenoxybenzamine on the Contractile Response of Taenia Coli to Potassium, Acetylcholine, Angiotensin and Barium. SHOJI SHIBATA, OLIVER CARRIER, JR. AND JERRY FRANKENHEIM.....	106
Nicotinic and Muscarinic Activity of Benzyltrimethylammonium and Its α -, β - and γ -Substituted Pyridylmethyltrimethylammonium Analogs. J. T. HAMILTON AND H. M. RUBINSTEIN.....	112
Dissociation of Depolarization and Ganglionic Blockade Induced by Nicotine. GERARD L. GEBBER.....	124
Dependence of Nicotine- C^{14} Distribution and Movements upon pH in Frog Sartorius Muscle. GEORGE B. WEISS.....	135
Actions of Procaine on Nicotine-Induced Effects in Frog Sartorius Muscle. GEORGE B. WEISS.....	148
The Actions of Benzoquinonium in the Isolated Cat Tenuissimus Muscle. D. D. CHRIST AND L. C. BLABER.....	159
Effects of 5-Methylpyrazole-3-Carboxylic Acid (U-19425) and Nicotinic Acid on Lipolysis <i>in Vitro</i> and <i>in Vivo</i> and on Cyclic-3',5'-AMP Phosphodiesterase. F. P. KUPIECKI AND N. B. MARSHALL.....	166
Stimulatory Effect of Phenobarbital on the Metabolism <i>in Vivo</i> of Estradiol-17 β and Estrone in the Rat. R. M. WELCH, W. LEVIN AND A. H. CONNEY.....	171
An Investigation of the Decrease in the Metabolism of Hexobarbital, Aminopyrine and <i>p</i> -Nitrobenzoic Acid by Liver from Rats Bearing a Pituitary Mammatropic Tumor. JOHN T. WILSON.....	179
A Comparison of the Teratogenic Activity of Thalidomide in Rabbits and Rats. HERBERT SCHUMACHER, DAVID A. BLAKE, JOAN M. GURIAN AND JAMES R. GILLETTE..	189
Disposition of Thalidomide in Rabbits and Rats. HERBERT SCHUMACHER, DAVID A. BLAKE AND JAMES R. GILLETTE.....	201
The Effects of Hydrazine upon the Concentrations of Free Amino Acids of Plasma and Urine. PATRICIA KORTY AND FREDERIC L. COE.....	212
Prevention of Writhing and Other Effects of Narcotics and Narcotic Antagonists in Mice. JACK PEARL, MARIO D. ACETO AND LOUIS S. HARRIS.....	217

Studies on the Acute Inflammatory Response. I. Involvement of the Central Nervous System in Certain Models of Inflammation. JOHN H. BROWN, JOHN W. KISSEL AND PAUL M. LISH.....	231
Studies on the Acute Inflammatory Response. II. Influence of Antihistaminics and Catecholamines on Formaldehyde-Induced Edema. J. H. BROWN, H. K. MACKEY, D. A. RIGGILO AND N. L. SCHWARTZ.....	243

No. 2, APRIL 1968

Studies on the Radiocalcium Uptake and the Adenosine Triphosphatases of Skeletal and Cardiac Sarcoplasmic Reticulum Fractions (SRF). B. SCALES AND D. A. D. McINTOSH.....	249
Effects of Propranolol and Its Optical Isomers on the Radiocalcium Uptake and the Adenosine Triphosphatases of Skeletal and Cardiac Sarcoplasmic Reticulum Fractions (SRF). B. SCALES AND D. A. D. McINTOSH.....	261
Pharmacology of Go-1002. R. S. GREWAL, C. L. KAUL AND J. DAVID.....	268
Uptake and Metabolism of <i>dl</i> -Norepinephrine by Subcellular Particles of Rat Heart. I. ARTHUR MICHAELSON, PALMER W. TAYLOR, JR., KEITH C. RICHARDSON AND ELWOOD TITUS.....	277
Effect of Adrenal Medullectomy and Total Adrenalectomy on the Hemodynamic Responses to Tyramine. CONCETTA HARAKAL, ROGER W. SEVY, MARCUS M. REIDENBERG AND ROBERT E. FAUST.....	292
Effect of Methyldopa, Reserpine and Guanethidine on Hindleg Vascular Resistance. SHAKIL MOHAMMED, THOMAS E. GAFFNEY, ALBERT C. YARD AND HECTOR GOMEZ.....	300
Steric Aspects of Adrenergic Drugs. VIII. Optical Isomers of <i>Beta</i> Adrenergic Receptor Antagonists. P. N. PATIL.....	308
The Effects of Sympathomimetic Amines on Schedule-Controlled Behavior in the Pigeon. D. E. McMILLAN.....	315
Behavioral Effects of α -Methyltyrosine after Prior Depletion of Brain Catecholamines. R. H. RECH, L. A. CARR AND K. E. MOORE.....	326
Mechanism of Action of Norepinephrine in Eliciting an Eating Response on Injection into the Rat Hypothalamus. DAVID A. BOOTH.....	336
Newer Drugs for Myasthenia Gravis; a Microphysiologic Study of Effects. WILLIAM W. HOFMANN.....	349
Occurrence and Pharmacologic Properties of a Lipid Substance Obtained from Rabbit Kidney. DONALD C. DYER AND EDWARD J. WALASZEK.....	360
The Natriuretic Action of DT-327. B. TERRY AND J. B. HOOK.....	367
Inhibitory Effects of β -Haloalkylamines on the Renal Transport of N-Methylnicotinamide. CHARLES R. ROSS, NESS I. PESSAH AND ALFRED FARAH.....	375
Studies of Uptake and Runout of <i>p</i> -Aminohippurate and N-Methylnicotinamide in Dog Renal Slices. CHARLES R. ROSS, NESS I. PESSAH AND ALFRED FARAH.....	381
The Metabolic Fate of H ³ -Cyclazocine in Dogs. S. J. MULÉ, T. H. CLEMENTS AND C. W. GORODETZKY.....	387
Studies on the Biologic Disposition of Methotrimeprazine. ABDEL-HALIM M. AFIFI AND E. LEONG WAY.....	397
Effect of Cyprenorphine (M285), a Morphine Antagonist, on the Distribution and Excretion of Etorphine (M99), a Potent Morphine-Like Drug. HORACE E. DOBBS.....	407
Index, Volume 160, March-April 1968.....	415